

IN THE CLAIMS:

1. (Currently Amended) A rotor for small motors provided on its shaft with a plurality of rotor magnetic poles of a salient-pole configuration and a commutator unit, each of the rotor magnetic poles being composed of a winding around a laminated core and each of both ends of each wound wire being connected to a commutator leg part coupled with a tip of a corresponding commutator segment of the commutator unit, wherein:

each of said commutator leg part having a flat structure is formed separately from the corresponding commutator segment, and the commutator leg part ~~and the commutator segment~~ are is fixed by welding.

2. (Original) The rotor for small motors, as set forth in claim 1, wherein said commutator leg parts are punched and cut out of a reel-wound flat parent metal sheet and fixed to the commutator segment tips.

3. (Original) The rotor for small motors, as set forth in claim 2, wherein a disk-shaped varistor having a hole at its center is mounted over the base portion of each of said commutator leg parts on the reverse side to the winding in an axial direction of a shaft, and each electrode of the varistor is soldered onto the corresponding base portion.

4. (Original) The rotor for small motors, as set forth in claim 1, wherein a disk-shaped varistor having a hole at its center is mounted over the base portions of said commutator leg

parts on the reverse side to the winding in an axial direction of a shaft, and each electrode of the varistor is soldered onto the corresponding base portion.

5. (Canceled).

6. (Canceled).

7. (New) A commutator for a rotor of a motor, the commutator comprising:

a plurality of commutator segments each having a segment surface, said plurality of commutator segments being arranged to have said segment surfaces form a cylindrical shape;

5 a plurality of commutator legs each formed separately from said commutator segments, each said commutator leg having a flat shape and being welded to one of said segment surfaces of said commutator segments, said each commutator leg extending outward from a respective said segment surface in a radial direction of said cylindrical shape.

8. (New) A commutator in accordance with claim 7, wherein:

said each commutator leg has a base portion welded to said respective segment surface;

said each commutator leg has a tip portion extending from said base portion in said radial direction, said tip portion being narrower than said base portion.

9. (New) A commutator in accordance with claim 8, further comprising:

a varistor having a disk shape and defining a hole in a substantially center portion of said disk shape, said varistor being arranged around said plurality of commutator segments and having a plurality of electrodes soldered to said base portions of said commutator legs, said tip
5 portion extending radially outwards from said varistor.

10. (New) A commutator in accordance with claim 8, further comprising:

a shaft with a plurality of rotor magnetic poles, said commutator segments being mounted on said shaft, said plurality of commutator legs being arranged on a side of said commutator segments arranged toward said plurality of rotor magnetic poles.

11. (New) A commutator in accordance with claim 9, further comprising:

a shaft with a plurality of rotor magnetic poles, said commutator segments being mounted on said shaft, said plurality of commutator legs being arranged on a side of said commutator segments arranged toward said plurality of rotor magnetic poles.

12. (New) A commutator in accordance with claim 11, wherein:

said varistor is arranged on a side of said commutator legs diametrically opposite said rotor magnetic poles.

13. (New) A commutator in accordance with claim 10, further comprising:

windings around said rotor magnetic poles, said windings being connected to said tip

portions of said commutator legs.

14. (New) A commutator in accordance with claim 11, further comprising:

windings around said rotor magnetic poles, said windings being connected to said tip portions of said commutator legs.

15. (New) A commutator in accordance with claim 7, wherein:

a flatness of said flat shapes of said commutator legs are arranged in a radial plane of said cylindrical shape.